



020304

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper and the documents and/or fees referred to as attached therein are being deposited with the United States Postal Service on February 3, 2004 in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR §1.10, Mailing Label Number **ER562285933US**, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sue Funchess
Sue Funchess

Attorney Docket No.:

01-471/1D / LSI1P172D1

First Named Inventor: CATABAY

19270 U.S. PTO
10/772133

UTILITY PATENT APPLICATION TRANSMITTAL (37 CFR. § 1.53(b))
(Continuation, Divisional or Continuation-in-part application)

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir: This is a request for filing a patent application under 37 CFR. § 1.53(b) in the name of inventors:
Wilbur G. CATABAY, Zhihai WANG, and Ping LI

For: **MULTI-STEP PROCESS FOR FORMING A BARRIER FILM FOR USE IN COPPER LAYER FORMATION**

Assigned to : LSI Logic Corporation

This application is a ☐ Continuation ☒ Divisional ☐ Continuation-in-part

of prior Application No.: 10/035,704, from which priority under 35 U.S.C. §120 is claimed.

The specification has been amended to claim priority from the parent application, or such amendment is included in a separate sheet.

Application Elements:

- ☒ **24** Pages of Specification, Claims and Abstract
☒ **08** Sheets of Informal Drawings
☒ **03** Pages of Combined Declaration and Power of Attorney
☐ Newly executed
☒ Copy from a prior application (37 CFR 1.63(d) for a continuation or divisional).
 The entire disclosure of the prior application from which a copy of the declaration is herein supplied is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
☐ Deletion of inventors Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Accompanying Application Parts:

- ☐ Do not publish this application. Nonpublication Request is attached.
☐ Assignment and Assignment Recordation Cover Sheet (recording fee of \$40.00 enclosed)
☐ Associate Power of Attorney
☐ 37 CFR 3.73(b) Statement by Assignee
☒ Information Disclosure Statement with Form PTO-1449 ☐ Copies of IDS Citations
☒ Preliminary Amendment (*New claims numbered after highest original claim in prior application.*)
☒ Return Receipt Postcard
☐ Other:

Claim For Foreign Priority

- ☐ Priority of _____ Application No. _____ filed on _____
 is claimed under 35 U.S.C. § 119.
☐ The certified copy has been filed in prior application U.S. Application No. _____
☐ The certified copy will follow.

Extension of Time for Prior Pending Application

- ☐ A Petition for Extension of Time is being concurrently filed in the prior pending application. A copy of the Petition for Extension of Time is attached.

Fee Calculation (37 CFR § 1.16)

- ☐ Applicant is entitled to Small Entity Status under 37 C.F.R. §1.27.

	(Col. 1) Total Claims		(Col. 2) Claims	(Col. 3) Present Extra	Rate	Additional Fee
TOTAL	20	MINUS	20	= 0	x 18 =	\$-0-
INDEP.	2	MINUS	3	= 0	x 86 =	\$-0-
[] First presentation of multiple dependent claim					\$290 =	
Basic Filing Fee under 37 C.F.R. §1.16(a)					\$770 =	\$770.00
TOTAL						\$770.00
SMALL ENTITY 50% FILING FEE REDUCTION (if applicable)						

- ☐ Check No. _____ in the amount of \$ _____ is enclosed.

☒ The Commissioner is authorized to charge any fees beyond the amount enclosed which may be required, or to credit any overpayment, to Deposit Account No. 12-2252 (Order No. 01-471/1D).

General Authorization for Petition for Extension of Time (37 CFR §1.136)

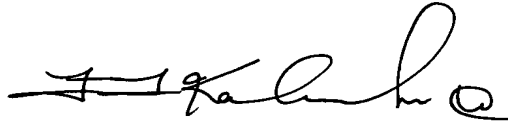
☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as may be needed for any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as may be needed to Deposit Account No. 12-2252 (Order No. 01-471/1D).

☒ Please send correspondence to the following address:

Customer Number 24319

LSI Logic Corporation
1551 McCarthy Boulevard
Milpitas, California
Telephone (408) 433-6100

Date: February 3, 2004



Francis T. Kalinski II
Registration No. 44,177